text is annotated with the tag <title>. The creator of the particular XML tag naming for the document 310, illustrated in Fig. 3, provides useful description for text or data contained in the document 310 that may be utilized by third parties so long as those third parties are provided with the definitions associated with tags applied to the text or

5   data.

           According to embodiments of the present invention, the text and XML markup entered into the document 310 may be saved according to a variety of different file formats and according to the native programming language of the application 305 with which the document 310 is created. For example, the text and XML markup may

10   be saved according to a word processing application, a spreadsheet application, and the like. Alternatively, the text and XML markup entered into the document 310 may be saved as an XML format whereby the text or data, any applied XML markup, and any formatting such as font, style, paragraph structure, etc. may be saved as an XML representation. Accordingly, downstream or third party applications capable of

15   understanding data saved as XML may open and consume the text or data thus saved as an XML representation. For a detailed discussion of saving text and XML markup and associated formatting and other attributes of a document 310 as XML, see U.S. Patent Application entitled "Word Processing Document Stored in a Single XML File that may be Manipulated by Applications that Understanding XML," U.S. Serial No. 10/187,060,

20   filed June 28, 2002, which is incorporated herein by reference as if fully set out herein. An exemplary schema in accordance with the present invention is disclosed beginning on page 11 in an application entitled "Mixed Content Flexibility," Serial No. 10/726,077 Docket No. 60001.0275US01, filed December 2, 2003, which is hereby incorporated by reference in its entirety.

25   In order to provide a definitional framework for XML markup elements (tags) applied to text or data, as illustrated in Fig. 3, XML schema files are created which contain information necessary for allowing users and consumers of marked up and stored data to understand the XML tagging definitions designed by the creator of the document. Each schema file also referred to in the art as a Namespace or XSD file

30   preferably includes a listing of all XML elements (tags) that may be applied to a

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